

Title (en)
Navigational guidance via computer-assisted fluoroscopic imaging

Title (de)
Navigationsführung über computergestützte fluoroskopische Bildgebung

Title (fr)
Guide de navigation par imagerie radioscopique assistée par ordinateur

Publication
EP 2356940 B1 20131016 (EN)

Application
EP 10185773 A 20000321

Previously filed application
06021634 20000321 EP

Priority

- EP 06021634 A 20000321
- EP 00918160 A 20000321
- US 27497299 A 19990323

Abstract (en)

[origin: WO0056215A1] Digital x-ray images (124) taken before a surgical procedure by a fluoroscopic C-arm imagery (103) are displayed by a computer (121), and overlaid with graphical representations of instruments being used in the operating room. The graphical representations are updated in real-time to correspond to movement of the instruments (140) in the operating room. A number of different techniques are described that aid the physician in planning, and carrying out the surgical procedure.

[origin: WO0056215A1] Digital X-ray images taken before a surgical procedure by a fluoroscopic C arm imagery (100) are displayed by a computer (121), and overlaid with graphical representations of instruments being used in the operating room. The graphical representations are updated in real-time to correspond to movement of the instruments (140) in the operating room. A number of different techniques are described that aid the physician in planning, and carrying out the surgical procedure.

IPC 8 full level
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CPC (source: EP US)
A61B 6/463 (2013.01 - EP US); **A61B 6/547** (2013.01 - EP US); **A61B 34/20** (2016.02 - EP US); **A61M 25/0105** (2013.01 - EP US); **G16H 40/63** (2017.12 - EP US); **G16Z 99/00** (2019.01 - EP US); **A61B 6/12** (2013.01 - EP US); **A61B 2034/104** (2016.02 - EP US); **A61B 2034/105** (2016.02 - EP US); **A61B 2034/107** (2016.02 - EP US); **A61B 2034/108** (2016.02 - EP US); **A61B 2034/2055** (2016.02 - EP US); **A61B 2034/2072** (2016.02 - EP US); **A61B 2034/256** (2016.02 - EP US); **A61B 2090/376** (2016.02 - EP US); **A61M 2025/0166** (2013.01 - EP US)

Citation (examination)

- US 5880976 A 19990309 - DIGIOIA III ANTHONY M [US], et al
- US 5824085 A 19981020 - SAHAY ALIND [US], et al

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CN106255465A; EP3099245A4; US11998283B2; EP3865069A1; WO2015112940A1; US10307079B2; WO2018167246A1

Designated contracting state (EPC)
CH DE FR LI NL SE

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